

Listing and Amendments to the Claims

This listing of claims will replace the claims as published and annexed to the International Preliminary Report on Patentability:

1. (Currently Amended) Signal processing apparatus ~~(100)~~, comprising:
tuning means ~~(10, 15, 20, 25, 30)~~ for generating first and second IF signals;
first AGC means ~~(40)~~ for generating a first AGC signal responsive to said first IF signal;
second AGC means ~~(50)~~ for generating a second AGC signal responsive to said second IF signal;
third AGC means ~~(60)~~ for generating a wide band third AGC signal responsive to at least one of said first and second IF signals; and
switching means ~~(70)~~ for selectively providing one of said first, second and third AGC signals to said tuning means ~~(10, 15, 20, 25, 30)~~ responsive to a predetermined condition.
2. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, wherein:
said first IF signal represents an analog channel; and said first AGC means ~~(40)~~ comprises an analog demodulator.
3. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, wherein: said second IF signal represents a digital channel; and said second AGC means ~~(50)~~ comprises a digital demodulator.
4. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, wherein said third AGC means ~~(60)~~ comprises a wide band AGC detector.
5. (Currently Amended) The signal processing apparatus ~~(100)~~ of claim 1, further comprising processing means ~~(90)~~ for outputting a control signal that causes said switching means ~~(70)~~ to provide one of said first, second and third AGC

signals.

6. (Currently Amended) The signal processing apparatus (~~100~~) of claim 1, wherein: said first and second AGC signals are narrow band signals.

7. (Currently Amended) A method (~~200~~) for providing an AGC function, comprising:

using a tuner to generate one of first and second IF signals (~~210~~);

generating a first AGC signal responsive to said first IF signal (~~230~~);

generating a second AGC signal responsive to said second IF signal (~~270~~);

generating a wide band third AGC signal responsive to at least one of said first and second IF signals (~~280~~); and

using a switch to selectively provide one of said first, second and third AGC signals to said tuner responsive to a predetermined condition.

8. (Currently Amended) The method (~~200~~) of claim 7, wherein said first IF signal represents an analog channel.

9. (Currently Amended) The method (~~200~~) of claim 7, wherein said second IF signal represents a digital channel.

10. (Currently Amended) The method (~~200~~) of claim 7, further comprised of generating a control signal that causes said switch to provide one of said first, second and third AGC signals.

11. (Currently Amended) The method (~~200~~) of claim 7, wherein: said first and second AGC signals are narrow band signals; and said third AGC signal is a wide band signal.

12. (Currently Amended) A television signal receiver (~~100~~), comprising:
a tuner (~~10, 15, 20, 25, 30~~) operative to generate first and second IF signals;
a first demodulator (~~40~~) operative to generate a first AGC signal responsive to said first IF signal;
a second demodulator (~~50~~) operative to generate a second AGC signal responsive to said second IF signal;

a wide band AGC detector ~~(60)~~ operative to generate a third AGC signal responsive to at least one of said first and second IF signals; and
a switch ~~(70)~~ operative to selectively provide one of said first, second and third AGC signals to said tuner ~~(10, 15, 20, 25, 30)~~ responsive to a predetermined condition.

13. (Currently Amended) The television signal receiver ~~(100)~~ of claim 12, wherein: said first IF signal represents an analog channel; and said first demodulator ~~(40)~~ comprises an analog demodulator.

14. (Currently Amended) The television signal receiver ~~(100)~~ of claim 12, wherein: said second IF signal represents a digital channel; and said second demodulator ~~(50)~~ comprises a digital demodulator.

15. (Currently Amended) The television signal receiver ~~(100)~~ of claim 12, further comprising a processor ~~(90)~~ operative to output a control signal that causes said switch ~~(70)~~ to provide one of said first, second and third AGC signals.

16. (Currently Amended) The television signal receiver ~~(100)~~ of claim 12, wherein:

said first and second AGC signals are narrow band signals; and said third AGC signal is a wide band signal.

Amendments to the Abstract

Please **amend** the Abstract to read.

An apparatus ~~(20)~~ such as a television signal receiver provides an AGC function by using multiple feedback sources which provide both narrow band and wide band AGC signals in an adaptive manner. According to an exemplary embodiment, the apparatus ~~(20)~~ includes a tuner ~~(10, 15, 20, 25, 30)~~ operative to generate first and second IF signals. A first demodulator ~~(40)~~ is operative to generate a first AGC signal responsive to the first IF signal. A second demodulator ~~(50)~~ is operative to generate a second AGC signal responsive to the second IF signal. A wide band AGC detector ~~(60)~~ is operative to generate a third AGC signal responsive to at least one of the first and second IF signals. A switch ~~(70)~~ is operative to selectively provide one of the first, second and third AGC signals to the tuner ~~(10, 15, 20, 25, 30)~~ responsive to a predetermined condition.